

## SEQUENCE LISTING

<110> TRANSGENE S.A.

<120> Poxvirus with targeted infection specificity

<130> D18836

<150> EP 00 44 0109

<151> 2000-04-14

<150> EP 01 44 0009

<151> 2001-01-22

<150> US 60/246 080

<151> 2000-11-07

<160> 21

<170> PatentIn Ver. 2.1

<210> 1

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:PCR primer to  
amplify the MVA 138L gene and flanking region

<400> 1

cagactggac ggcgtccata tgag

24

<210> 2

<211> 61

<212> DNA

<213> Artificial Sequence

<220>

<221> gene

<222> Complement((1)..(61))

<220>

<223> Description of Artificial Sequence: antisens PCR  
primer to amplify the 3' end of MVA 138L gene and  
3' flanking region

<400> 2

catttttttaa gtatagaata aaagatcccg ggagtaccat cgtgattctt accagatatt 60  
a 61

<210> 3

<211> 61

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer to  
amplify E. coli gpt gene and H5R promoter

<220>

<221> gene

<222> (1)..(61)

<400> 3

taatatctgg taagaatcac gatggtactc ccgggatctt ttattctata cttaaaaaat 60  
g 61

<210> 4

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: antisense PCR  
primer to amplify E. coli GPT gene and pH5R  
promoter

<400> 4

ggggttaatt aaggaagtta aaaagaacaa cgccc 35

<210> 5

<211> 38

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR primer to  
amplify the upstream region of MVA 138L gene.

<400> 5

gggggaattc gagcttatag cgtttagttc aggtacgg 38

<210> 6

<211> 44

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: antisense PCR  
primer to amplify the upstream region of the MVA  
138L gene

<400> 6

ggggaagctt ttaaagtaca gattttagaa actgacactc tgcg 44

<210> 7

<211> 68

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: antisense  
primer to amplify the upstream region of the MVA  
138L gene

<400> 7

ggggaagctt caagagcggc acggctcccg ccgctgacac gttcaggagg accaaggcaa 60  
ccacgaac 68

<210> 8

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer to  
amplify the MVA 138L gene and its downstream  
region

<400> 8

ggggaagctt atggacggaa ctcttttccc c 31

<210> 9

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: antisense PCR  
primer to amplify the MVA 138L gene and its  
downstream region

<400> 9

gggggaattc gcttatcggt atcgggttta gcttctg 37

<210> 10

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer to  
amplify SM3 scFv sequence

<400> 10

cgcagagtgt cagtttctaa aatctgtact ttaaattggtg cagctgcagg agtctggagg 60  
aggcttgg 68

<210> 11

<211> 58

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: antisense PCR primer to amplify the SM3 scFv sequence

<400> 11

gatcgatcatc tccgggggaaa agagttccgt ccatcagttt gggtcctcca ccgaacac 58

<210> 12

<211> 57

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR primer to amplify the SM3 scFv sequence

<400> 12

cctgaacgctc gcagcggcgg gagccgtgcc gctcttggtg cagctgcagg agtctgg 57

<210> 13

<211> 111

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: sequence of the synthetic p11k7.5 promoter

<400> 13

ataaaaaatat agtagaattt catttgtttt tttctatgct ataaatagga tccgataaag 60  
tgaaaaataa ttctaattta ttgcacgga aggaagtaga atcataaaga a 111

<210> 14

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer to amplify the p11k7.5 promoter

<400> 14

gggggatccc ccgggctgca gaagcttttc tttatgattc tacttcctta ccg 53

<210> 15

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: antisense PCR primer to amplify the p11k7.5 promoter

<400> 15  
 ggggggagat ctaagcttgt cgacataaaa atatagtaga atttcatttg

50

<210> 16  
 <211> 77  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: synthetic  
 sequence

<400> 16  
 gatggtgaca gggggaatgg caagcaagtg ggatctcgag ttgggtgact ttggtgacag 60  
 atactactgt gtttaag 77

<210> 17  
 <211> 85  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: synthetic  
 sequence

<400> 17  
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 gccattcccc ctgtcaccat ctgca 85

<210> 18  
 <211> 32  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: PCR primer to  
 amplify the 5' F13L flanking region of MVA

<400> 18  
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32

<210> 19  
 <211> 32  
 <212> DNA  
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<220>  
 <223> Description of Artificial Sequence: Description of  
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 amplify the 5' F13L flanking region of MVA

<400> 19  
 tttcgaattc ggaatctgta ttctcaatac cg

32

<220>  
<223> Description of Artificial Sequence: PCR primer to amplify the 3' F13L flanking region of MVA

33

<220>  
<223> Description of Artificial Sequence: antisense PCR primer to amplify the 3' F13L flanking region of MVA

34